INTERNATIONALSEARCHREPORT

International application No.

			JP2005/022731		
A. CLAS	SIFICATION OF SUBJECT MATTER				
Int.Cl. GO	3G21/00(2006.01), G03G15/16(2006	.01), G03G21/10(2006	.01)		
According t	o International Patent Classification (IPC) or to both	national classification and IPC			
	OS SEARCHED				
Int.Cl. GO	ocumentation searched (classification system followed by 3G21/00 (2006.01), G03G15/16 (2006.	.01), G03G21/10(2006			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Published examined utility model applications of Japan 1922-1996 Rublished unexamined utility model applications of Japan 1971-2006 Registered utility model specifications of Japan 1996-2006 Published registered utility model applications of Japan 1994-2006					
Electronic da	ta base consulted during the international search (name of	data base and, where practicable, se-	arch terms used)		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	opropriate, of the relevant passage	es Relevant to claim No.		
x	JP 2001-305907 A (RICOH COMPANY paragraphs 0022-0044, fig.1-fig.5(with		39-44,46,48, 51-56,58,60		
Y			1-29,32,33,4 5,47,49,50,5 7,59,61-66		
Y	JP 2000-242135 A (RICOH COMPANY paragraph 0027, fig.2 (with no patent f	_	1-14		
Y	JP 2003-43885 A (FUJI XEROX CO.,L'. fig.4(with no patent family members)	TD) 2003.02.14,	. 6		
Further documents are listed in the continuation of Box C.					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the inter-					
national "L" documents cited t	filing date nt which may throw doubts on priority claim(s) or which to establish the publication date of another citation or other reason (as specified)	be considered novel or considered when the doc	evance; the claimed invention cannot annot be considered to involve an ament is taken alone evance; the claimed invention cannot		
"O" documer means "P" documer	inventive step when the document is more other such documents, such to a person skilled in the art me patent family				
than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report					
	10.03.2006		3.2006		
Name and mailing address of the ISA/IP Japan Patent Office Authorized officer Teruaki Shimomura			2C 9210		
J		I TOTHUM DIMINOTHING			

Telephone No. +81-3-3581-1101 Ext. 3221

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan

INTERNATIONALSEARCHREPORT

International application No.
PCT/JP2005/022731

			2003/022/31		
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.		
Y	JP 11-65391 A (RICOH COMPANY, LIMITED) 1999.03.0 fig3, fig4 (with no patent family members)	05,	7		
Y	JP 2004-309940 A (RICOH COMPANY,LIMITED) 2004.11.04, claim 4,paragraph 0019 & US 2004/0202495 A1		8,57,61		
Y .	JP 7-5794 A (FUJI XEROX CO.,LTD) 1995.01.10, claim 1, paragraphs 0008-0011(with no patent family m	embers)	9		
х	JP 2004-334092 A (RICOH COMPANY,LIMITED) 2004. claims 17-25, paragraphs 0028-0062 & US 2005/00027		67-71		
Y			10-13,17-21, 25-29,34-38, 57,62-66		
Y	JP 11-65311 A (RICOH COMPANY,LIMITED) 1999.03.0 claim 3, paragraphs 0022-0026(with no patent family m		15-21		
Y	JP 2002-55580 A (CANON KABUSHIKI KAISHA) 2002 paragraphs 0012-0019, 0028-0082(with no patent family		15-29		
Y	JP 6-342236 A (RICOH COMPANY,LIMITED) 1994.12.1 paragraph 0008(with no patent family members)	13,	24		
Y	JP 2002-341578 A (RICOH COMPANY,LIMITED) 2002. paragraph 0066 & US 2003/0049555 A1	11.27,	24		
Y	JP 2002-244485 A (CANON KABUSHIKI KAISHA) 200 fig.10,fig.12(with no patent family members)	2.08.30,	30-38		
Y	JP 2004-86234 A (KONICA MINOLTA HOLD 2004.03.18, claim 1,paragraph 0014(with no pat members)	INGS,INC) ent family	30-38		

Form PCT/ISA/210 (continuation of second sheet) (April 2005)

INTERNATIONALSEARCHREPORT

International application No.
PCT/JP2005/022731

			.003/022/31			
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.			
Y	JP 2003-91143 A (RICOH COMPANY,LIMITED) 2003.03.28, paragraphs 0100,0101(with no patent family members)		45			
Y	JP 2001-100491 A (RICOH COMPANY,LIMITED) 2001.04.13, claim 6, paragraphs 0034-0038(with no patent family members)		45			
Y	JP 5-35155 A (CANON KABUSHIKI KAISHA) 1993.02.12, paragraphs 0019-0021, fig. 3 (with no patent family members)		45			
Y	JP 2000-206722 A (RICOH COMPANY,LIMITED) 2000.07.28, paragraph 0012, fig.3(with no patent family members)		45			
Y	JP 2003-43888 A (CANON KASEI KABUSHIK) 2003.02.14, claims 1-8, paragraphs 0026-0042, fig.1 (with family members)		47			
Y	JP 9-319274 A (RICOH COMPANY,LIMITED) 1997.12.	_	49			
Y	JP 2002-6679 A (RICOH COMPANY,LIMITED) 2002.01 claims 1-4, paragraphs 0031-0041,fig.3,fig.4(with no pamembers)		50,57			
Y	JP 2000-352832 A (RICOH COMPANY,LIMITED) 2000. paragraph 0026 & US 006562529 B1 & US 2003/016575		59			
	•					